**Finding the Sum of Angles in Polygons**

Refer to the sum of the angles in a triangle. ( sum of the 3 angles in a triangle is \_\_\_\_\_)

In a quadrilateral, (eg. Rectangle) how many triangles fit into it? (\_\_\_\_\_)

Also refer to the “Angles sum of a quadrilateral (sum of the 4 angles in a quadrilaterals is (\_\_\_\_)

Example:

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If the quadrilateral is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The same method can be used in all polygons.

For example, as shown in this diagram, a pentagon can be divided into how many triangles?

So the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_If

the pentagon is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

108°

108° 108°

108**°** 108°

**Activity( to be completed in your workbook )**

1. Find the sum of the interior angles for each regular polygon.
2. Find the internal angle for each regular polygon.
3. Complete the Polygon Table.